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	Application No.	Applicant(s)	100
	09/760,682	CHOUDHURY ET AL.	
Notice of Allowability	Examiner	Art Unit	
	George Y. Wang	2871	
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in thi or other appropriate communic GHTS. This application is subj	s application. If not included ation will be mailed in due cou	rse THIS
1. \boxtimes This communication is responsive to <u>RCE filed January 18</u>	<u>, 2005</u> .		
2. X The allowed claim(s) is/are 1-16,18-29,31-39 and 41.			
3. The drawings filed on 23 December 2002 are accepted by	the Examiner.		
 4. Acknowledgment is made of a claim for foreign priority una) a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	been received. been received in Application N	o	from the
Applicant has THREE MONTHS FROM THE "MAILING DATE" on noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file a reENT of this application.	eply complying with the require	∍ments
 A SUBSTITUTE OATH OR DECLARATION must be submi INFORMAL PATENT APPLICATION (PTO-152) which give 	itted. Note the attached EXAMIN se reason(s) why the oath or dec	NER'S AMENDMENT or NOTI claration is deficient.	CE OF
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") mus (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the deposed of the property of the prope	on's Patent Drawing Review (Passes Amendment / Comment or in the date of the header according to 37 CFR 1.	he Office action of rawings in the front (not the bac 121(d). AL must be submitted. Note	,
Attachment(s) 1. Notice of References Cited (PTO-892)		GICAL MATERIAL. Ial Patent Application (PTO-15	52)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summ		
3. Information Disclosure Statements (PTO-1449 or PTO/SB/08	Paper No./Mail B), 7. ☐ Examiner's Ame		
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ⊠ Examiner's Stat 9. □ Other	ement of Reasons for Allowan	ce

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on January 18, 2005 has been entered.

Allowable Subject Matter

2. Claims 1-16, 18-29, 31-39, and 41 are allowed.

The following is an examiner's statement of reasons for allowance: As the claims were read and interpreted in light of the specification, the prior art of record fails to specifically disclose, in particular, "at least two pin passages...being sized, shaped and positioned to receive respective projecting pins, the pin passages and projecting pins being precisely sized to eliminate movement between the pin passages and projecting pins when the projecting pins are inserted into the pin passages" as recited in independent claim 1. Applicant's amendment overcomes the rejection of claims 1-11, 13-16, 18-25, 27-29, 31-39 and 41 under 35 U.S.C. 103(a) with Bunin et al. (U.S. Patent No. 5,907,651, hereafter "Bunin") in view of Yanagawa et al. (U.S. Patent No. 5,297,228, hereafter "Yanagawa") by showing that the invention completely does away

Art Unit: 2871

with bushings and adhesives to eliminate movement "to ensure that the pins sit securely within the passageways" (Remarks, p. 10)

As to independent claim 21, the prior art of record fails to specifically disclose, in particular, "predetermined alignment patterns etched into the substrate body as accurately as the crystal structure of the substrate material." With regards to independent claim 33, the prior art of record fails to specifically disclose, in particular, the method of "forming a wafer having a plurality of aligned respective channels chemically etched therein as accurately as the crystal structure of the substrate material." In each of these instances, Applicant's amendments overcome the rejection of claims 12 and 26 under 35 U.S.C. 103(a) with Bunin in view of Yanagawa and further in view of Applicant's Admission of Prior Art (AAPA) by showing that the precision of the chemical etching "to form channels in the substrate, which is as precise as the crystalline sctructure of the substrate itself" (Remarks, p. 10).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to George Y. Wang whose telephone number is 571-272-2304. The examiner can normally be reached on M-F, 8 am - 4:30 pm.

Art Unit: 2871

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert H. Kim can be reached on 571-272-2293. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

gw April 12, 2005

TARIFUR R. CHOWDHURY
PRIMARY EXAMINER